

In the Claims

The following is an amendment to and a complete listing of the claims which replaces all prior listings of claims in this application.

1. (currently amended) A sluice feeder comprising: an inlet [[(1)]] for receiving material in a first medium at a higher pressure and discharging the material toward a center position of said rotor, said rotor including at least one concentric rotor ring, said at least one rotor ring having at least one opening in a radial direction from said inlet to an outlet [[(11)]] for receiving material from said rotor and discharging the material in a second medium at a lower pressure; ~~[[,]]~~ ~~and a rotor (2), into which sluice feeder material to be fed from a first medium to a second medium sealed from the first medium is fed to the inlet (1), characterized in that the inlet (1) is directed towards the centre portion of the rotor (2), the rotor (2) and a cooperating stator [[(7)]]~~ that is adapted to cooperate with said rotor, said stator including at least one stator ring having at least one opening therein, respectively, ~~show at least a radial opening (5, 8) each and are provided so that wherein at least one pocket [[(9)]]~~ is formed by [[the]] said at least one

opening ~~[(5)]~~ of said rotor ring of ~~[(the)]~~ said rotor and said at least opening of said stator ring of ~~said~~ [(the)] stator ~~[(7)]~~, ~~[(which)]~~ said at least one pocket ~~(9)~~ alternatingly opens ~~either~~ radially ~~inwards~~ inwardly ~~[(or)]~~ and radially ~~outwards~~ outwardly and alternatingly seals ~~either~~ radially ~~inwards~~ inwardly or radially outwardly ~~outwards~~, ~~respectively~~, upon rotation of ~~[(the)]~~ said rotor ~~[(2)]~~ relative ~~[(the)]~~ to said stator ~~[(7),]~~ so that whereby the material is thrown radially ~~outwards~~ outwardly by ~~[(the)]~~ said rotor ~~[(2)]~~ to ~~[(the)]~~ said at least one pocket ~~[(9)]~~ to ~~finally~~ be emptied from ~~[(the)]~~ said at least one pocket ~~[(9)]~~ to ~~[(the)]~~ said outlet at the same time ~~as the~~ said at least one pocket ~~[(9)]~~ is sealed ~~towards the~~ radially inwardly toward said inlet ~~[(1)]~~ by said at least one stator ring ~~[(means)]~~ of ~~[(the)]~~ said stator ~~[(7)]~~.

2. (currently amended) ~~[(A)]~~ The sluice feeder according to claim 1, ~~in which the rotor (2) comprises at least one concentric rotor ring (4) and the wherein said stator (7) comprises~~ includes at least two concentric stator rings, ~~whereby (15) provided so that an inner stator ring (15) may radially seal the~~ seals an inlet to ~~[(the)]~~ said at least one pocket ~~[(9)]~~ formed by ~~[(the)]~~ said opening ~~(5) in the~~ of said rotor ring ~~[(4)]~~ and

whereby an outer stator ring (15) ~~may radially seal the seals an~~
outlet from ~~[[the]]~~ said at least one pocket ~~[[(9)]]~~.

3. (currently amended) ~~[[A]]~~ The sluice feeder according to
claim 1, ~~in which the wherein said~~ rotor (2) ~~comprises~~ includes
at least two concentric rotor rings ~~[[(4)]]~~ and wherein ~~[[the]]~~
said stator (7) ~~comprises~~ includes at least three stator rings,
whereby (15) ~~provided so that~~ an inner stator ring (15) ~~may~~
radially ~~seal the seals~~ said at least one pocket ~~[[(9)]]~~ formed
by ~~[[the]]~~ said opening (5) ~~in the of said~~ rotor ring, (4) ~~and~~
whereby an outer stator ring (15) ~~may radially seal the seals an~~
outlet from ~~[[the]]~~ said at least one pocket, ~~[[(9)]]~~ and
whereby a stator ring ~~[[(15)]]~~ is provided between each rotor
ring ~~[[(4)]]~~ for ~~division of the~~ dividing said at least one
pocket ~~[[(9)]]~~ into radially separate portion pockets ~~[[(9)]]~~.

4. (currently amended) ~~[[A]]~~ The sluice feeder according to
claim 1, wherein said ~~in which the~~ rotor (2) is provided with at
least one conveying means (3) ~~in its center portion~~ for aiding
~~[[the]]~~ a feeding of the material in a radial direction.

5. (currently amended) ~~[[A]]~~ The sluice feeder according to
claim 3, ~~in which~~ further comprising a ring shaped valve (12)

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~~with~~ including at least one radial opening ~~[[(14)]]~~ that is
rotatably ~~provided~~ mounted around ~~[[the]]~~ an outermost stator
ring ~~[[(15)]]~~.